

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 7-27 without traverse.

1. (ORIGINAL) A wavelength selector switch comprising:

a first optical input port to which a first wavelength-multiplexed light beam with a first polarization angle is input;

a second optical input port to which a second wavelength-multiplexed light beam with a second polarization angle is input;

a first optical output port;

a second optical output port;

a first refracting plate that refracts the second wavelength-multiplexed light beam at a refraction angle;

an optical splitter that spatially splits into a plurality of wavelength components the first wavelength-multiplexed light beam and the second wavelength-multiplexed light beam refracted, respectively;

a first optical system that changes the wavelength components into parallel light beams;

a polarization controller that selectively changes a polarization angle of each of the parallel light beams between the first and second polarization angles, and passes the parallel light beams;

a second optical system that condenses the parallel light beams which are passed through the polarization controller;

an optical coupler that multiplexes into a third wavelength-multiplexed light beam the parallel light beams condensed; and

a second refracting plate that refracts wavelength components, of the third wavelength-

multiplexed light beam, having the second polarization angle at a refraction angle to direct the wavelength components having the second polarization angle to the second optical output port and to direct wavelength components, of the third wavelength-multiplexed light beam, having the first polarization angle to the first output port.

2. (ORIGINAL) The wavelength selector switch according to claim 1, wherein the polarization controller is a magneto-optic element array.
3. (ORIGINAL) The wavelength selector switch according to claim 1, wherein the polarization controller is a liquid crystal unit.
4. (ORIGINAL) The wavelength selector switch according to claim 1, wherein each of the optical splitter and the optical coupler is a diffraction grating.
5. (ORIGINAL) The wavelength selector switch according to claim 1, wherein each of the optical splitter and the optical coupler is a virtually imaged phase array.
6. (ORIGINAL) The wavelength selector switch according to claim 1, wherein each of the first and second refracting plates is a polarization beam splitter.
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